

WEST Search History for Application 10577322

Creation Date: 2008080615:24

Query	DB	Op.	Plur.	Thes.	Date
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (\$cuo4 or cuprate or \$cu3\$o6)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (\$mno3 or \$cro3)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (mangante or chromate or mn or manganese or cr or chromium) with (perovskite or \$o3)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (manganate) with (perovskite or \$o3)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (al or aluminate or aluminum) with (perovskite or \$o3)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008

dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lutetium) with \$alo3					
sc\$cuo4 or y\$cuo4 or la\$cuo4 or ce\$cuo4 or pr\$cuo4 or nd\$cuo4 or pm\$cuo4 or sm\$cuo4 or eu\$cuo4 or gd\$cuo4 or tb\$cuo4 or dy\$cuo4 or ho\$cuo4 or er\$cuo4 or tm\$cuo4 or yb\$cuo4 or lu\$cuo4 or \$sc\$cu\$06 or \$y\$cu\$06 or \$la\$cu\$06 or \$ce\$cu\$06 or \$pr\$cu\$06 or \$nd\$cu\$06 or \$pm\$cu\$06 or \$sm\$cu\$06 or \$eu\$cu\$06 or \$gd\$cu\$06 or \$tb\$cu\$06 or \$dy\$cu\$06 or \$ho\$cu\$06 or \$er\$cu\$06 or \$tm\$cu\$06 or \$yb\$cu\$06 or \$lu\$cu\$06	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
sc\$mno3 or y\$mno3 or la\$mno3 or ce\$mno3 or pr\$mno3 or nd\$mno3 or pm\$mno3 or sm\$mno3 or eu\$mno3 or gd\$mno3 or tb\$mno3 or dy\$mno3 or ho\$mno3 or er\$mno3 or tm\$mno3 or yb\$mno3 or lu\$mno3 or sc\$cro3 or y\$cro3 or la\$cro3 or ce\$cro3 or pr\$cro3 or nd\$cro3 or pm\$cro3 or sm\$cro3 or eu\$cr3 or gd\$cro3 or tb\$cro3 or dy\$cro3 or ho\$cro3 or er\$cro3 or tm\$cro3 or yb\$cro3 or lu\$cro3	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
sc\$alo3 or y\$alo3 or la\$alo3 or ce\$alo3 or pr\$alo3 or nd\$alo3 or pm\$alo3 or sm\$alo3 or eu\$alo3 or gd\$alo3 or tb\$alo3 or dy\$alo3 or ho\$alo3 or er\$alo3 or tm\$alo3 or yb\$alo3 or lu\$alo3	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
((rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lutetium) with (\$cuo4 or cuprate or \$cu3\$06)) or (sc\$cuo4 or y\$cuo4 or la\$cuo4 or ce\$cuo4 or pr\$cuo4 or nd\$cuo4 or pm\$cuo4 or sm\$cuo4 or eu\$cuo4 or gd\$cuo4 or tb\$cuo4 or dy\$cuo4 or ho\$cuo4 or er\$cuo4 or tm\$cuo4 or yb\$cuo4 or lu\$cuo4 or \$sc\$cu\$06 or \$y\$cu\$06 or \$la\$cu\$06 or \$ce\$cu\$06 or \$pr\$cu\$06 or \$nd\$cu\$06 or \$pm\$cu\$06 or \$sm\$cu\$06 or \$eu\$cu\$06 or \$gd\$cu\$06 or \$tb\$cu\$06 or \$dy\$cu\$06 or \$ho\$cu\$06 or \$er\$cu\$06 or \$tm\$cu\$06 or \$yb\$cu\$06 or \$lu\$cu\$06)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
((rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lutetium) with (\$mno3 or \$cro3)) or ((rare earth or sc or scandium or y or ytterium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lutetium) with (mangante	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008

or chromate or mn or manganese or cr or chromium) with (perovskite or So_3)) or ((rare earth or sc or scandium or y or ytterbium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (manganate) with (perovskite or So_3)) or (scMnO_3 or yMnO_3 or laMnO_3 or ceMnO_3 or prMnO_3 or ndMnO_3 or pmMnO_3 or smMnO_3 or euMnO_3 or gdMnO_3 or tbMnO_3 or dyMnO_3 or hoMnO_3 or erMnO_3 or tmMnO_3 or ybMnO_3 or luMnO_3 or scScO_3 or yScO_3 or laScO_3 or ceScO_3 or prScO_3 or ndScO_3 or pmScO_3 or smScO_3 or euScO_3 or gdScO_3 or tbScO_3 or dyScO_3 or hoScO_3 or erScO_3 or tmScO_3 or ybScO_3 or luScO_3)					
((rare earth or sc or scandium or y or ytterbium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with AlO_3) or ((rare earth or sc or scandium or y or ytterbium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (al or aluminate or aluminum) with (perovskite or So_3)) or (scAlO_3 or yAlO_3 or laAlO_3 or ceAlO_3 or prAlO_3 or ndAlO_3 or pmAlO_3 or smAlO_3 or euAlO_3 or gdAlO_3 or tbAlO_3 or dyAlO_3 or hoAlO_3 or erAlO_3 or tmAlO_3 or ybAlO_3 or luAlO_3)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
((rare earth or sc or scandium or y or ytterbium or la or lanthan\$ or ce or cerium or pr or praseodymium or nd or neodymium or pm or promethium or sm or samarium or eu or europium or gd or gadolinium or tb or terbium or dy or dysprosium or ho or holmium or er or erbium or tm or thulium or yb or ytterbium or lu or lut\$ium) with (CuO_4 or cuprate or Cu_3O_6) or scCuO_4 or yCuO_4 or laCuO_4 or ceCuO_4 or prCuO_4 or ndCuO_4 or pmCuO_4 or smCuO_4 or euCuO_4 or gdCuO_4 or tbCuO_4 or dyCuO_4 or hoCuO_4 or erCuO_4 or tmCuO_4 or ybCuO_4 or luCuO_4 or ScScuO_6 or YScuO_6 or LaScuO_6 or CeScuO_6 or PrScuO_6 or NdScuO_6 or PmScuO_6 or SmScuO_6 or EuScuO_6 or GdScuO_6 or TbScuO_6 or DyScuO_6 or HoScuO_6 or ErScuO_6 or TmScuO_6 or YbScuO_6 or LuScuO_6) and (el or electro\$luminesc\$)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
($\text{MnO}_{?sub.3}$ or $\text{ScO}_{?sub.3}$) with (el.u/c. or electroluminesc\$)	PGPB, USPT	ADJ	YES		08-06-2008

(\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)	PGPB, USPT	ADJ	YES		08-06-2008
(\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)	PGPB, USPT	ADJ	YES		08-06-2008
(\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$)	PGPB, USPT	ADJ	YES		08-06-2008
\$alo?sub.3 and (el.u/c. or electroluminesc\$)	PGPB, USPT	ADJ	YES		08-06-2008
(((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$)) not (\$alo?sub.3 and (el.u/c. or electroluminesc\$))	PGPB, USPT	ADJ	YES		08-06-2008
(((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$)) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$))	PGPB, USPT	ADJ	YES		08-06-2008
(((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)) not (((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$)) or ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)))	PGPB, USPT	ADJ	YES		08-06-2008
(\$alo?sub.3 and (el.u/c. or electroluminesc\$)) not (((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$)) or ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)) or ((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)))	PGPB, USPT	ADJ	YES		08-06-2008
(el.u/c. or electroluminesc\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3)	PGPB, USPT	ADJ	YES		08-06-2008
(el.u/c. or electroluminesc\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3)	PGPB, USPT	ADJ	YES		08-06-2008
(el.u/c. or electroluminesc\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3)	PGPB, USPT	ADJ	YES		08-06-2008

(el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3)	PGPB, USPT	ADJ	YES		08-06-2008
((el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3)) or ((el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3)) or ((el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3)) or ((el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))	PGPB, USPT	ADJ	YES		08-06-2008
(el or electro\$uminesc\$) with ((ba or barium or alkali\$ earth or ca or calcium or sr or strontium or mg or magnesium) adj copper adj oxide)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(el or electro\$luminesc\$) with ((ba or barium or alkali\$ earth or ca or calcium or sr or strontium or mg or magnesium) adj copper adj oxide)	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
(el.u/c. or electro\$luminesc\$) with ((ba or barium or alkali\$ earth or ca or calcium or sr or strontium or mg or magnesium) adj copper adj oxide)	PGPB, USPT	ADJ	YES		08-06-2008
(\$alo?sub.3 and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$) or (\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$))) not ((el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or	PGPB, USPT	ADJ	YES		08-06-2008

<p>\$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))</p>					
<p>(((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$))) not ((el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))</p>	PGPB, USPT	ADJ	YES		08-06-2008
<p>((((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or</p>	PGPB, USPT	ADJ	YES		08-06-2008

<p>\$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3)) or (\$alo?sub.3 and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$) or (\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (mg or magnesium))</p>					
<p>(((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (mg or magnesium))</p>	PGPB, USPT	ADJ	YES		08-06-2008

<p> \$cr\$mn_o?sub.3 or \$fe\$mn_o?sub.3 or \$co\$mn_o?sub.3 or \$ni\$mn_o?sub.3 or \$cu\$mn_o?sub.3 or \$zn\$mn_o?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mn_o?sub.3 or \$ca\$mn_o?sub.3 or \$sr\$mn_o?sub.3 or \$ba\$mn_o?sub.3 or \$li\$mn_o?sub.3 or \$na\$mn_o?sub.3 or \$k\$mn_o?sub.3 or \$rb\$mn_o?sub.3 or \$cs\$mn_o?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3)) or (\$alo?sub.3 and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$) or (\$mn_o?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mn_o?sub.3 or \$v\$mn_o?sub.3 or \$cr\$mn_o?sub.3 or \$fe\$mn_o?sub.3 or \$co\$mn_o?sub.3 or \$ni\$mn_o?sub.3 or \$cu\$mn_o?sub.3 or \$zn\$mn_o?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mn_o?sub.3 or \$ca\$mn_o?sub.3 or \$sr\$mn_o?sub.3 or \$ba\$mn_o?sub.3 or \$li\$mn_o?sub.3 or \$na\$mn_o?sub.3 or \$k\$mn_o?sub.3 or \$rb\$mn_o?sub.3 or \$cs\$mn_o?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))) and ((\$mn_o?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali\$ earth or ca or calcium or ba or barium or sr or strontium)) </p>					
<p> (((\$mn_o?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or </p>	PGPB, USPT	ADJ	YES		08-06-2008

<p> \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3)) or (\$alo?sub.3 and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$) or (\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali or na or sodium or li or lithium or k or potassium or rb or rubidium or cs! or cesium)) </p>					
<p> (((\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or </p>	PGPB, USPT	ADJ	YES		08-06-2008

(\$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and
 (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3)) or (\$alo?sub.3 and (el.u/c. or electroluminesc\$) not ((\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (\$luminesc\$ or phosphor or phosphoresc\$ or fluoresc\$) or (\$cuo?sub.4 or \$cu?sub.3O.sub.6 or (\$cu?sub.3 o?sub.6)) and (el.u/c. or electroluminesc\$) or (\$mno?sub.3 or \$cro?sub.3) and (el.u/c. or electroluminesc\$)) not (el.u/c. or electrolumines\$) and (\$ti\$alo?sub.3 or \$v\$alo?sub.3 or \$cr\$alo?sub.3 or \$mn\$alo?sub.3 or \$fe\$alo?sub.3 or \$co\$alo?sub.3 or \$ni\$alo?sub.3 or \$cu\$alo?sub.3 or \$zn\$alo?sub.3) or (el.u/c. or electrolumines\$) and (\$ti\$mno?sub.3 or \$v\$mno?sub.3 or \$cr\$mno?sub.3 or \$fe\$mno?sub.3 or \$co\$mno?sub.3 or \$ni\$mno?sub.3 or \$cu\$mno?sub.3 or \$zn\$mno?sub.3 or \$ti\$cro?sub.3 or \$v\$cro?sub.3 or \$mn\$cro?sub.3 or \$fe\$cro?sub.3 or \$co\$cro?sub.3 or \$ni\$cro?sub.3 or \$cu\$cro?sub.3 or \$zn\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$mno?sub.3 or \$ca\$mno?sub.3 or \$sr\$mno?sub.3 or \$ba\$mno?sub.3 or \$li\$mno?sub.3 or \$na\$mno?sub.3 or \$k\$mno?sub.3 or \$rb\$mno?sub.3 or \$cs\$mno?sub.3 or \$mg\$cro?sub.3 or \$ca\$cro?sub.3 or \$sr\$cro?sub.3 or \$ba\$cro?sub.3 or \$li\$cro?sub.3 or \$na\$cro?sub.3 or \$k\$cro?sub.3 or \$rb\$cro?sub.3 or \$cs\$cro?sub.3) or (el.u/c. or electrolumines\$) and (\$mg\$alo?sub.3 or \$ca\$alo?sub.3 or \$sr\$alo?sub.3 or \$ba\$alo?sub.3 or \$li\$alo?sub.3 or \$na\$alo?sub.3 or \$k\$alo?sub.3 or \$rb\$alo?sub.3 or \$cs\$alo?sub.3))) and ((\$mno?sub.3 or \$cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc))

((or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc))) not (((or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (mg or magnesium))) or ((or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali\$ earth or ca or calcium or ba or barium or sr or strontium))) or ((or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali or na or sodium or li or lithium or k or potassium or rb or rubidium or cs! or cesium))))	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
((not or not) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc))) and ((((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc)) same (\$luminesc\$ or light\$1emit\$ or (light emit\$) or phosphor or phosphoresc\$ or fluoresc\$))	EPAB, JPAB, DWPI	ADJ	YES		08-06-2008
((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc))) not (((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (mg or magnesium))) or ((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali\$ earth or ca or calcium or ba or barium or sr or strontium))) or ((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali or na or sodium or li or lithium or k or potassium or rb or rubidium or cs! or cesium))))	PGPB, USPT	ADJ	YES		08-06-2008
((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc)) not ((not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (mg or magnesium)) or (not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali\$ earth or ca or calcium or ba or barium or sr or strontium)) or (not (or) not or or or or not (or or) not or or or) and ((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (alkali or na or sodium or li or lithium or k or potassium or rb or rubidium or cs! or cesium)))) and ((((\$mno?sub.3 or cro?sub.3 or \$alo?sub.3) with (ti or titanium or v or vanadium or cr or chromium or mn or manganese or fe or iron or co or cobalt or ni or nickel or zn! or zinc)) same (\$luminesc\$ or light\$1emit\$ or (light emit\$) or phosphor or	PGPB, USPT	ADJ	YES		08-06-2008

fluoresc\$ or phosphoresc\$))					
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